

Engr. M. Sajid Ali Asghar
Assistant Professor
Department of Materials Engineering,
NED University of Engineering and Technology,
University Road
Karachi, 75270
Pakistan +92 21 99261261 ext. 2485,2487 (Office)
smsajid@neduet.edu.pk



Academic Career

- B.E. (Metallurgy & Materials Engineering) from Mehran University Of Engineering & Technology Pakistan in 2006. **1st position**
- M.E. (Materials) from NED University of Engineering & Technology Karachi Pakistan in 2010. **1st position**

Teaching Experience

- Joined as **Lecturer** in Materials Engineering Department of NED University of Engineering and Technology, Karachi (from 30th April 2008 to 9th April 2012).
- **Assistant Professor** in Materials Engineering Department (from 10th April 2012 to date).

Taught the following subjects in BE & ME:

- MM-206 Manufacturing Processes for Materials
- MM-401 Phase Transformation in Materials
- MM-403 Fracture Mechanics & Failure Analysis of Materials
- MM-405 Surface Coatings
- MM-531 Surface Engineering & Coatings Techniques
- MM-535 Electron Microscopy

Job Responsibilities:

- Materials Sophisticated Labs Establishment (Installation & Commissioning)
- As a Lab Incharge (Operation , Maintenance and Analysis of Sample)
- Scanning Electron Microscopy Lab
- Non Destructive Testing Lab
- Laser Work Station Lab
- Rapid Chemical Analysis Lab
- Materials Testing Lab

Job Experience

Production Engineer: Cast Iron Foundry (CIF) Atlas Engineering Ltd. From May 2007 to September 2007:

Experience: Production of cast iron products (Honda Cylinders, Exhaust Manifold Coure, Fly Wheel etc)

Other Experiences

- 2012** M. Engg Coordinator, Department of Materials Engineering, NED University of Engineering & Technology, Karachi
- 2011** PEC Coordinator, Department of Materials Engineering, NED University of Engineering & Technology, Karachi
- 2010** Member/Secretary Board of Studies, NED University of Engineering & Technology, Karachi
- 2010** Area Coordinator, Department of Materials Engineering, NED University of Engineering & Technology, Karachi
- 2009** Class Advisor (BE,SE) Department of Materials Engineering, NED University of Engineering & Technology, Karachi

Memberships

- Member of Pakistan Engineering Council
- Nano Materials Research Group NMR, Materials Department NEDUET.

International Trainings

- **Laser Work Station MICOS GMBH Germany in 2010** Operational and Routine Maintenance Training.
- **X-Ray Fluorescence Spectroscopy (XRF) InovXsystem Neithar Land December, 2011.** Operational and Routine Maintenance Training of Portable XRF.

Trainings and Certifications

- Installation and Operational Training of **Scanning Electron Microscope**
- Installation and Operational Training of **Energy Dispersive Spectroscopy System (OXFORD)**
- Operational Training of **Olympus & Leica Optical Microscope**
- Installation and Operational Training of **Carbon Sulphur(CS 230) Rapid Analyser**
- **Level 1 Eddy Current Testing** From NCNDT Islamabad in 2008
- Workshop on **Electron & Confocal Laser Scanning Microscopy** at NIBGE in Dec, 2010.
- 1-Day Workshop on **Nanomaterial & Nano Technology** Techniques at Karachi University in 2010.
- Workshop on **Advanced Materials Characterisation Techniques** PINSTECH Islamabad in 2011.
- 3- Day Workshop **on Electron Microscopy of Materials** at NCP Islamabad in 2011.

Industrial Trainings:

- **Peoples Steel Mill (Four weeks).**
- **Allwin Engineering Industries ltd (Six Months For BE Project).**
- **International industries limited (IIL) (Two weeks).**

Technical Skills

- Operation of FEI Scanning Electron Microscope (SEM), Portable XRF, Carbon Supher Analyser
- Micos Laser Work Station Machine
- Non Destructive Testing (UT, DT, MPI, ET)

Publications

- Failure Analysis of AISI-304 Stainless Steel Styrene Storage Tank
Author: Muhammad Sajid Ali Asghar
Journal: Journal of Failure Analysis (Springer) Published online: 30 April 2010 **ASM International 2010**
-